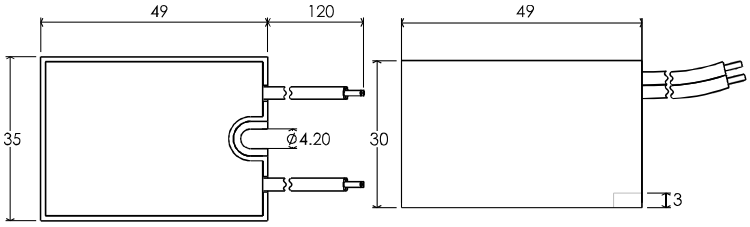
ELECTRONIC CENTRIFUGAL SWITCHES
FOR CAPACITOR START (& RUN) INDUCTION MOTORS

ECS 224L



MODEL CHART

Switching part	Motor ratings		
	Hp	Aux. coil rating volt	Pole
BTA24-800BW	0.5~6.0Hp	200 ~ 240 VAC	2,4,6

* These models are designed for both capacitor start motors and two (start + run) capacitors motors

ELECTRICAL CHARACTERISTICS (TYPICAL RATINGS OTHER THAN SPECIFIED)

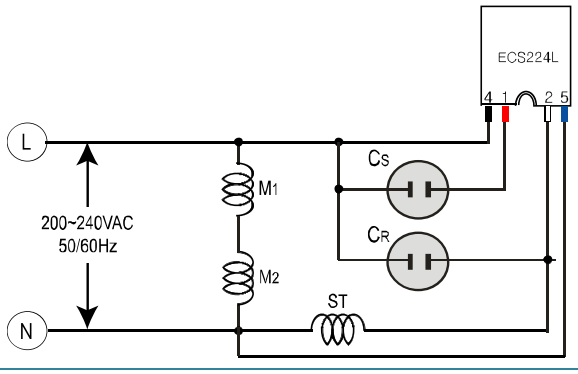
Parameter		ECS224L	Unit
Non repetitive peak current @ half cycle, 50/60Hz		250	A
Thermal impedance @ 7.4sec, 25A		0.9	°C/W
Switch-on delay time @ 50/60Hz		2	cycle
*Discharge resistor		8.0	KΩ
**Forced switch-off locked rotor time	60Hz	3.8	sec
	50Hz	4.6	sec
**Maximum Number of successive restarts		9	-
Forced switch-off starting coil voltage		300 ~ 350	V
Line voltage, VL		200 ~ 250	V
Dielectric strength, between case and pins		>3750	V
Insulation resistance, between case and pins		>10	MΩ
Ambient air temperature		-20 ~ 60	°C

* For frequent(hight duty)restarts, it is recommended to connect an additional resistor in parallel with starting capacitor.
**These can be initialized by either power interruptions or successful motor run states.

CERTIFICATION

IEC/ EN 60730-1(Automatic electrical controls for household and similar use)
IEC/ EN 60730-2-10(particular requirements for motor-starting relays)

TYPICAL WIRING

100~120VAC 50/60Hz Motor Operation	200~240VAC 50/60Hz Motor Operation
Not applicable	

C_S : Starting Capacitor, C_R : Run Capacitor , M_1,M_2 : Main Coil , ST : Starting Coil